Courses Description(500 level)

**AGEN 500   Applied Computational Intelligence in Agricultural   3 (2+1)
Systems**

        Applications of biologically inspired computational intelligence tools for data mining, system modeling, and optimization for agricultural and biological systems. Introduction to Artificial Neural Networks, Fuzzy Logic, Genetic Algorithms, Bayesian, and Decision Tree learning .Fundamental Machine Vision Techniques will be introduced in the first part of course and be integrated into the lab exercises for learning different computational intelligence techniques .MATLAB will be used throughout the course for algorithm implementation.